

#1/2/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Takayuki Kurozumi, et al.

SERIAL NO.: 09/841,080

FILING DATE: April 25, 2001

TITLE: SIGNAL DETECTION METHOD AND APPARATUS, RELEVANT PROGRAM, AND STORAGE MEDIUM STORING THE PROGRAM

EXAMINER: Unassigned

ART UNIT: 2631

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CERTIFICATE OF MAILING

I hereby certify that this paper is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date printed below:

Date: 8/28/03

Name: Sharon E. Byam
Sharon E. Byam

COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

REVOCATION OF ATTORNEY AND POWER OF ATTORNEY

The undersigned, having authority to act on behalf of Nippon Telegraph and Telephone Corporation, assignee of all right, title, and interest in the above-identified patent application by virtue of the attached Assignment, recorded at Reel 011750, Frame No. 0463, hereby revokes all powers of attorney previously given and hereby appoints Robert E. Krebs, Registration No. 25,885; David B. Ritchie, Registration No. 31,562; Marc S. Hanish, Registration No. 42,626; John P. Schaub, Registration No. 42,125; Adrienne Yeung, Registration No. 44,000; Steven J. Robbins, Registration No. 40,299; Thierry K. Lo, Registration No. 49,097; William Samuel Niece, Registration No.: 47,824; J. Davis Gilmer, Registration No. 44,711; William E. Winters,

Registration No. 42,232, Masako Ando, (37 C.F.R. § 10.9 (b)); John Klaas Uilkema, Registration No. 20,282; Becky L. Troutman, Registration No. 36,703 and Hal J. Bohner, Registration No. 27,856; as attorneys of record with full power of substitution and revocation, to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith, as its attorneys to act on applicant's behalf before the United States Patent and Trademark Office for the above-identified application and to transact all business in the Patent and Trademark Office in connection therewith.

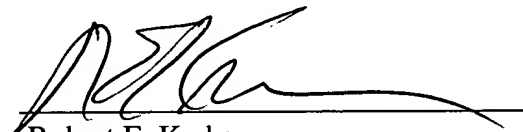
Please mail all correspondence to Robert E. Krebs at the following address:

THELEN REID & PRIEST LLP
P.O. BOX 640640
SAN JOSE, CA 95164-0640

and direct all telephone calls to Robert E. Krebs at (408) 292-5800.

Respectfully submitted,
THELEN REID & PRIEST LLP

Dated: 8/28/03


Robert E. Krebs
Reg. No. 25,885



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
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JULY 18, 2001

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ROBERT E. KREBS
P.O. BOX 1404
ALEXANDRIA, VIRGINIA 22313-1404



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NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/25/2001

REEL/FRAME: 011750/0463
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KUROZUMI, TAKAYUKI

DOC DATE: 04/10/2001

ASSIGNOR:

KASHINO, KUNIO

DOC DATE: 04/10/2001

ASSIGNOR:

MURASE, HIROSHI

DOC DATE: 04/10/2001

ASSIGNEE:

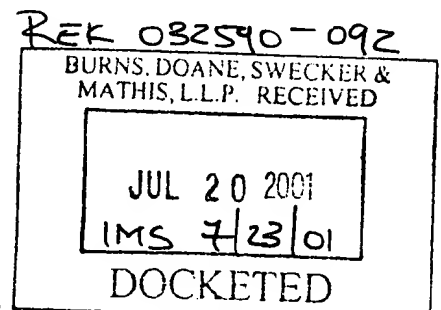
NIPPON TELEGRAPH AND TELEPHONE
CORPORATION
3-1, OTEMACHI 2-CHOME
CHIYODA-KU, TOKYO, JAPAN

SERIAL NUMBER: 09841080

PATENT NUMBER:

FILING DATE: 04/25/2001

ISSUE DATE:



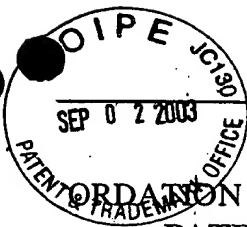
011750/0463 PAGE 2

SHAREILL COLES, EXAMINER
ASSIGNMENT DIVISION
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05-07-2001



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark OfficeORDINATION FORM COVER SHEET
PATENTS ONLY

Attorney's Docket No. 032590-01

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Takayuki KUROZUMI
Kunio KASHINO
Hiroshi MURASEAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name

Other: _____

Execution Date: April 10, 2001

2. Name and address of receiving party(ies):

Name: Nippon Telegraph and Telephone Corporation

Address: 3-1, Otemachi 2-chome

Chiyoda-ku

Tokyo, Japan

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: April 10, 2001

Technology Center 2600

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Robert E. Krebs

Address: BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404

Alexandria, Virginia 22313-1404

6. Total number of applications and patents involved: One (1)

7. Total fee (37 CFR § 3.41): \$ 40.00

☒ Enclosed☒ Authorized to be charged to deposit account, if necessary

8. Deposit account number:

02-4800

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Robert E. Krebs
Name of Person Signing

Signature
April 24, 2001
Date

Total number of pages including cover sheet, attachments, and document: 3

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Washington, D.C. 20231

04/27/2001 MBELETE1 00000027 0E4000 09041000

0E FC:101

700.00 OP

0E FC:102

30.00 CH

30.00 OP

Attorney's Docket No.

ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by (1) Takayuki Kurozumi; (2) Kunio Kashino; and
(3) Hiroshi Murase

, residing at (1) Zama-shi, Japan;
(2) Tokyo, Japan; and (3) Atsugi-shi, Japan

(hereinafter referred to as "the Assignors"),
respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in
SIGNAL DETECTION METHOD AND APPARATUS, RELEVANT PROGRAM, AND STORAGE MEDIUM STORING THE PROGRAM

☐ which is a provisional application to be filed herewith; ☐ which is a non-provisional application
having an oath or declaration executed on even date herewith prior to filing of application;
☐ bearing Application No. _____, and filed on _____; and

NIPPON TELEGRAPH AND TELEPHONE CORPORATION
WHEREAS, _____, a corporation
duly organized under and pursuant to the laws of Japan, and having its principal place of business
at 3-1, Otemachi 2-chome, Chiyoda-ku, Tokyo, Japan (hereinafter referred to as
"the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions,
the right to file applications on said inventions and the entire right, title and interest in and to any
applications, including provisional applications for Letters Patent of the United States or other
countries claiming priority to said application, and in and to any Letters Patent or Patents, United
States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and
sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold,
assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over,
unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and
interest in and to the above-mentioned inventions, the right to file applications on said inventions
and the entire right, title and interest in and to any applications for Letters Patent of the United
States or other countries claiming priority to said application, and any and all Letters Patent or
Patents of the United States of America and all foreign countries that may be granted therefor and
thereon, and in and to any and all applications claiming priority to said applications, divisions,
continuations, and continuations-in-part of said applications, and reissues and extensions of said
Letters Patent or Patents, and all rights under the International Convention for the Protection of
Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf
and the use and behalf of its successors, legal representatives, and assigns, to the full end of the
term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same
would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with
the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and
delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title,
and interest in and to the inventions set forth in said applications and said applications, including
provisional applications, above-mentioned, and that the same are unencumbered, and that the
Assignors have good and full right and lawful authority to sell and convey the same in the manner
herein set forth;

2740 U2

OSP-10755
米国特許庁 2/6

Application No. _____
Attorney's Docket No. _____

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date <u>April 10, 2001</u>	Signature of Assignor	<u>Takayuki Kurozumi</u> Takayuki Kurozumi
Date <u>April 10, 2001</u>	Signature of Assignor	<u>Kunio Kashino</u> Kunio Kashino
Date <u>April 10, 2001</u>	Signature of Assignor	<u>Hiroshi Murase</u> Hiroshi Murase
Date _____	Signature of Assignor	_____
Date _____	Signature of Assignor	_____
Date _____	Signature of Assignor	_____
Date _____	Signature of Assignor	_____
Date _____	Signature of Assignor	_____
Date _____	Signature of Assignor	_____



2631
Docket No. 034620-092 (formerly 032590-092)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Takayuki Kurozumi, et al.
SERIAL NO.: 09/841,080
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TITLE: SIGNAL DETECTION METHOD AND APPARATUS, RELEVANT
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EXAMINER: Unassigned
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Date: 8/28/03

Name: Sharon E. Byam
Sharon E. Byam

COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

CHANGE OF ATTORNEY DOCKET NUMBER
AND CHANGE OF ADDRESS NOTICE

Please change the Attorney Docket No. for this patent application from
032590-092 to 034620-092.

Please address all further communications regarding this application to:

Robert E. Krebs
Thelen Reid & Priest LLP
P.O. Box 640640
San Jose, CA 95164-0640
Telephone (408) 292-5800; Facsimile (408) 287-8040

Dated: 8/28/03

Respectfully submitted,
THELEN REID & PRIEST LLP

Robert E. Krebs
Reg. No. 25,885